

10/ 775,699

Connecting via Winsock to STN

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 4 OCT 03 MATHDI removed from STN
NEWS 5 OCT 04 CA/CAPLUS-Canadian Intellectual Property Office (CIPO) added
to core patent offices
NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download
of CAPLUS documents for use in third-party analysis and
visualization tools
NEWS 8 OCT 27 Free KWIC format extended in full-text databases
NEWS 9 OCT 27 DIOGENES content streamlined
NEWS 10 OCT 27 EPFULL enhanced with additional content
NEWS 11 NOV 14 CA/CAPLUS - Expanded coverage of German academic research
NEWS 12 NOV 30 REGISTRY/ZREGISTRY on STN(R) enhanced with experimental
spectral property data

NEWS EXPRESS NOVEMBER 18 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
<http://download.cas.org/express/v8.0-Discover/>

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:23:51 ON 30 NOV 2005

=> file reg
COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION

10/ 775,699

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:24:35 ON 30 NOV 2005
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 NOV 2005 HIGHEST RN 868943-57-1
DICTIONARY FILE UPDATES: 29 NOV 2005 HIGHEST RN 868943-57-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

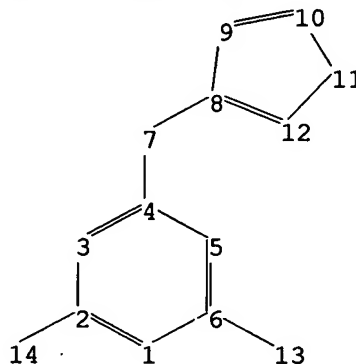
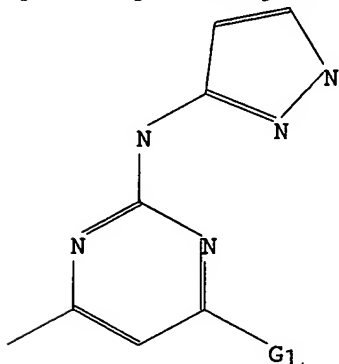
Structure search iteration limits have been increased. See HELP.SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10775699.str



chain nodes :

7 13

ring nodes :

1 2 3 4 5 6 8 9 10 11 12

ring/chain nodes :

10/ 775,699

14

chain bonds :

4-7 6-13 7-8

ring/chain bonds :

2-14

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-12 9-10 10-11 11-12

exact/norm bonds :

2-14 4-7 6-13 7-8 8-9 8-12 9-10 10-11 11-12

normalized bonds :

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G1:C,O,S,N

Match level :

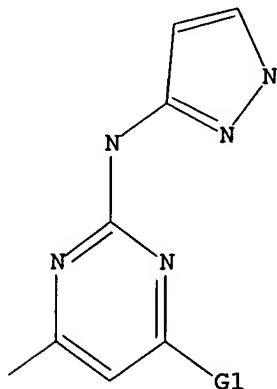
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sample

SAMPLE SEARCH INITIATED 17:25:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 60 TO ITERATE

100.0% PROCESSED 60 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 736 TO 1664

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

10/ 775,699

=> s l1 full

FULL SEARCH INITIATED 17:25:10 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1438 TO ITERATE

100.0% PROCESSED 1438 ITERATIONS

23 ANSWERS

SEARCH TIME: 00.00.01

L3 23 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

161.33

161.54

FILE 'HCAPLUS' ENTERED AT 17:25:17 ON 30 NOV 2005

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FILE COVERS 1907 - 30 Nov 2005 VOL 143 ISS 23

FILE LAST UPDATED: 29 Nov 2005 (20051129/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 17:23:51 ON 30 NOV 2005)

FILE 'REGISTRY' ENTERED AT 17:24:35 ON 30 NOV 2005

L1 STRUCTURE UPLOADED

L2 0 S L1 SAMPLE

L3 23 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:25:17 ON 30 NOV 2005

=> s l3

L4 9 L3

=> d l4 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 9 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:387769 HCAPLUS

DOCUMENT NUMBER: 143:357022

TITLE: Ethyl 5-amino-3-[(4,6-dimethylpyrimidin-2-ylamino)-1-methyl-1H-pyrazole-4-carboxylate and ethyl 5-amino-3-[(4,6-dimethylpyrimidin-2-ylamino)-1-(2-nitrophenylsulfonyl)-1H-pyrazole-4-carboxylate

AUTHOR(S): Wu, Chao; Zhu, You; Quan, Li; Hua, Bin; Li, Jian; Rong, Ren; Xue, Ling; Li, Bin; Yang, Hua; Zheng, State Key Laboratory, Institute of Elemento-Organic Chemistry, Nankai University, Tianjin, 300071, Peop. Rep. China

CORPORATE SOURCE: Acta Crystallographica, Section C: Crystal Structure Communications (2005), C61(5), o281-o283

SOURCE: CODEN: ACSCCE; ISSN: 0108-2701

PUBLISHER: Blackwell Publishing Ltd.

DOCUMENT TYPE: Journal

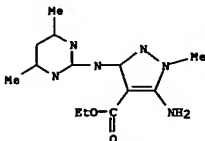
LANGUAGE: English

AB The mol. structures of Et 5-amino-3-[(4,6-dimethylpyrimidin-2-ylamino)-1-methyl-1H-pyrazole-4-carboxylate, C13H18N6O2, (I), and Et 5-amino-3-[(4,6-dimethylpyrimidin-2-ylamino)-1-(2-nitrophenylsulfonyl)-1H-pyrazole-4-carboxylate, C18H18N6O5, (II), were determined. Crystallog. data are given. There are two intramol. N-H...O bonds and one intermol. N-H...O bond in (I). The rings formed by the N-H...O H bonds are almost planar. In (II), three intramol. N-H...O H bonds exist.

IT 865648-58-4P 865648-58-5P
 RI: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal structure of)

RN 865648-58-4 HCAPLUS

CN 1H-Pyrazole-4-carboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-1-methyl-, ethyl ester (9CI) (CA INDEX NAME)



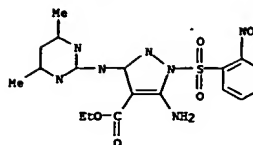
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 865648-59-5 HCAPLUS

CN 1H-Pyrazole-4-carboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-1-[(2-nitrophenyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

(Continued)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:354830 HCAPLUS

DOCUMENT NUMBER: 143:386986

TITLE: Synthesis and biological activity of

3-pyrimidinylaminopyrazoles

AUTHOR(S): Zou, Xiao-Mao; Wu, Chao; Zhou, Chuan-Zheng; Ren, Xue-Ling; Yang, Hua; Zheng, State Key Laboratory of Elemento-Organic Chemistry, Institute of Elemento-Organic Chemistry, Nankai University, Tianjin, 300071, Peop. Rep. China

SOURCE: Gaodeng Xuebao Huaxue Xuebao (2005), 26(3), 456-460

CODEN: KTHPDM; ISSN: 0251-0790

PUBLISHER: Gaodeng Jiaoyu Chubanshe

DOCUMENT TYPE: Journal

LANGUAGE: Chinese

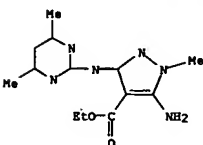
AB A series of novel pyrimidinylaminopyrazole derivs. were synthesized and their biol. activities were studied. All of the products were confirmed by IR NMR and elemental anal., and some of them were characterized by IR and MS. The bioassay results indicated that some of the title compds. have a high fungicidal activity or herbicidal activity. In addition, the structure-activity relationship was discussed.

IT 865648-58-4P 865648-59-5P 865647-69-5P
 865647-70-8P 865647-71-9P 865647-72-0P
 865647-74-2P 865647-75-3P 865647-76-4P
 865647-79-7P
 RI: AGA (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(synthesis of pyrimidinylaminopyrazoles as fungicide and herbicide)

RN 865648-58-4 HCAPLUS

CN 1H-Pyrazole-4-carboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-1-methyl-, ethyl ester (9CI) (CA INDEX NAME)



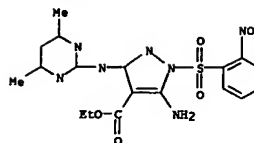
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 865648-59-5 HCAPLUS

CN 1H-Pyrazole-4-carboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-1-[(2-nitrophenyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

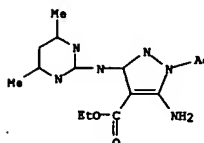
(Continued)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 865647-69-5 HCAPLUS

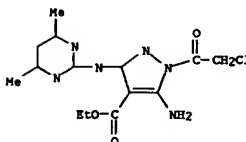
CN 1H-Pyrazole-4-carboxylic acid, 1-acetyl-5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-, ethyl ester (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 865647-70-8 HCAPLUS

CN 1H-Pyrazole-4-carboxylic acid, 5-amino-1-(chloroacetyl)-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-, ethyl ester (9CI) (CA INDEX NAME)

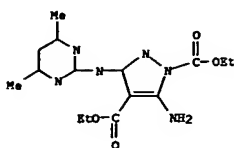


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

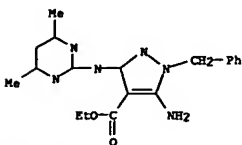
RN 865647-71-9 HCAPLUS

CN 1H-Pyrazole-1,4-dicarboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-, diethyl ester (9CI) (CA INDEX NAME)

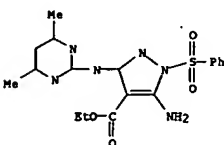
L4 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE
 RN 866547-72-0 HCAPLUS
 CN 1H-Pyrazole-4-carboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-1-(phenylsulfonyl)-, ethyl ester (9CI) (CA INDEX NAME)

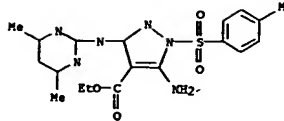


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE
 RN 866547-74-2 HCAPLUS
 CN 1H-Pyrazole-4-carboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-1-(phenylsulfonyl)-, ethyl ester (9CI) (CA INDEX NAME)

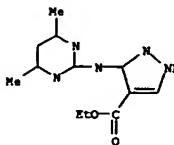


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE
 RN 866547-75-3 HCAPLUS
 CN 1H-Pyrazole-4-carboxylic acid, 5-amino-3-[(4,6-dimethyl-2-pyrimidinyl)amino]-1-[(4-methylphenyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

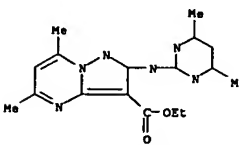
L4 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE
 RN 866547-78-6 HCAPLUS
 CN 1H-Pyrazole-4-carboxylic acid, 3-[(4,6-dimethyl-2-pyrimidinyl)amino]-, ethyl ester (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE
 RN 866547-79-7 HCAPLUS
 CN Pyrazolo[1,5-a]pyrimidine-3-carboxylic acid, 2-[(4,6-dimethyl-2-pyrimidinyl)amino]-5,7-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L4 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:300435 HCAPLUS
 DOCUMENT NUMBER: 142:373859
 TITLE: Preparation of pyrimidine and pyridine derivatives useful as EMG-CoA reductase inhibitors
 INVENTOR(S): Ahmad, Saleem; Robl, Jeffrey A.; Ngu, Khehyong
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
 SOURCE: PCT Int. Appl., 103 pp.
 CODEN: PIXX02
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005030758	A1	20050407	WO 2004-US31212	20040922
V: AS, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LX, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, UA, UG, US, UZ, VC, VN, YU, ZA, ZW, ZY W: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2005085497 A1 20050421 US 2004-946055 20040921 PRIORITY APPL. INFO.: US 2003-505893P F 20030925 OTHER SOURCE(S): HARPAT 142:373859 GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [X = N, CN5; R1-2 = H, alkyl, alkoxyalkyl, etc.; R3 = (hetero)aryl, cycloalkyl, etc.; R4 = H, (cyclo)alkyl, haloalkyl, etc.; R5 = H, alkyl; Z = hydroxyalkyl, etc.] are prepared for instance, II is prepared

in 5 steps from a substituted pyrimidine, 2-methyl-2H-[1,2,4]triazol-3-ylamine, and a prior art homochiral dihydroxy acetone derivative I are EMG-CoA reductase inhibitors and are active in inhibiting cholesterol biosynthesis, modulating blood serum lipids, for example, lowering LDL cholesterol and/or increasing HDL cholesterol, and treating hyperlipidemia, dyslipidemia, hormone replacement therapy, hypercholesterolemia, hypertriglyceridemia and atherosclerosis as well as Alzheimer's disease and osteoporosis [no data].
 IT 849469-81-4P 849469-82-6P 849470-16-2P
 849470-20-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

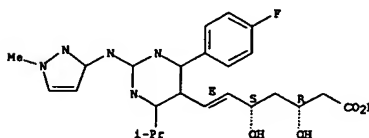
(Preparation of pyrimidine and pyridine derivs. useful as EMG-CoA reductase inhibitors)

RN 849469-81-4 HCAPLUS

CN 6-Heptenoic acid, 7-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[(1-methyl-1H-pyrazol-3-yl)amino]-5-pyrimidinyl]-3,5-dihydroxy-, (3R,5S,6S)- (9CI) (CA INDEX NAME)

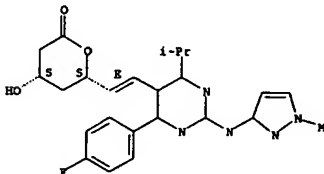
L4 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

INDEX NAME)
 Absolute stereochemistry.
 Double bond geometry as shown.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE
 RN 849469-83-6 HCAPLUS
 CN 2H-Pyran-2-one, 6-[(1E)-2-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[(1-methyl-1H-pyrazol-3-yl)amino]-5-pyrimidinyl]ethenyl]tetrahydro-4-hydroxy-, (4S,6S)- (9CI) (CA INDEX NAME)

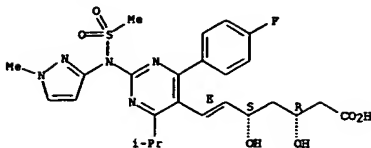
Absolute stereochemistry.
 Double bond geometry as shown.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE
 RN 849470-16-2 HCAPLUS
 CN 6-Heptenoic acid, 7-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[(1-methyl-1H-pyrazol-3-yl)amino]-5-pyrimidinyl]-3,5-dihydroxy-, (3R,5S,6S)- (9CI) (CA INDEX NAME)

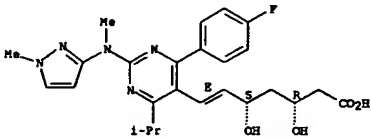
Absolute stereochemistry.
 Double bond geometry as shown.

L4 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



RN 849470-20-8 HCAPLUS
 CN 6-Heptenoic acid, 7-[(4-(4-fluorophenyl)-6-(1-methylethyl)-2-[methyl(1-methyl-1H-pyrazol-3-yl)amino]-5-pyrimidinyl]-3,5-dihydroxy-, (3R,5S,6E)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

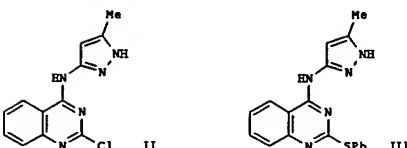
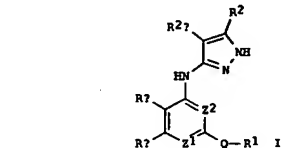


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2005:140796 HCAPLUS
 DOCUMENT NUMBER: 142:240444
 TITLE: Preparation of 3-(4-pyrimidinylamino)-1H-pyrazoles as protein kinase inhibitors, especially of Aurora-2 and GSK-3
 INVENTOR(S): Bebbington, David; Charrier, Jean-Damien; Golec, Julian; Miller, Andrew; Knegetel, Ronald
 PATENT ASSIGNEE(S): UK
 SOURCE: U.S. Pat. Appl. Publ., 164 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

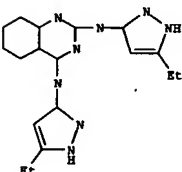
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005038023	A1	20050217	US 2003-632428	20030801
PRIORITY APPL. INFO:			US 2003-632428	20030801
OTHER SOURCE(S):			MARPAT 142:240444	



AB The title compds. I [Z1 = N, CR8; Z2 = N, CH; and at least one of Z1 and Z2 = N, Rb, Rc = TR3, LER3; C2RbRc = (un)substituted fused (hetero)cycle; Q = NR4, O, S, etc.; R1 = TD; D = (un)substituted mono- or bicyclic (hetero)aryl, heterocyclyl, carbocyclyl; T = a bond, alkylidene (un)interrupted by O, S, NR4, CO, etc.; Z = alkylidene; L = O, S, SO, SO2,

L4 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 etc.; R2, R2a = R, TVR6, or C2R2R2a = (un)substituted fused (hetero)cycle; R3 = R, halo, OR, etc.; R = H, (un)substituted aliph., (hetero)aryl, heterocyclyl; R4 = R7, COR7, SO2R7, etc.; V = CO, CO2, CONR6, etc.; R6, R7 = H, alkyl; or N(R6)2 or N(R7)2 = heterocyclyl, heteroaryl were prepd. For example, the (pyrazolylamino)quinazoline II was refluxed with chlorophenol in tert-BuOH to give III. In bioassays, I inhibited the following kinases with Ki values reported < 20 μM: GSK-3β, AURORA-2, CDK-2, ERK2, AKT, and human Src kinase. I are useful for the treatment of diseases assoc. with protein kinases, such as diabetes, cancer, and Alzheimer's disease (no data).

IT 438204-93-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (protein kinase inhibitor; preparation of (pyrimidinylamino)pyrazoles as protein kinase inhibitors for treatment of cancer, diabetes, and Alzheimer's disease)
 RN 438204-95-6 HCAPLUS
 CN 2,4-Quinazolinodiamine, N,N'-bis(5-ethyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L4 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2002:615605 HCAPLUS
 DOCUMENT NUMBER: 137:169539
 TITLE: Preparation of 3-(4-pyrimidinylamino)-1H-pyrazoles as protein kinase inhibitors, especially of Aurora-2 and GSK-3, for treatment of cancer, diabetes, and Alzheimer's disease
 INVENTOR(S): Bebbington, David; Charrier, Jean-Damien; Golec, Julian M. C.; Miller, Andrew; Knegetel, Ronald
 PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA
 SOURCE: PCT Int. Appl., 335 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 14
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002062789	A1	20020815	WO 2001-US51031	20011219
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WO 2002066461	A1	20020829	WO 2001-US49139	20011219
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WO 2002068415	A1	20020906	WO 2001-US50312	20011219
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US 6653300	B2	20031125		
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US 6664247	B2	20031126		
US 200305068	A1	20030320	US 2001-26967	20011219
US 2003078275	A1	20030424	US 2001-27001	20011219
US 6653301	B2	20031125		
US 2003105090	A1	20030605	US 2001-26966	20011219
EP 1345922	A1	20030924	EP 2001-271061	20011219

L4 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STM (Continued)

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EP 1345927 A1 20030924 EP 2001-994510 20011219

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

EP 1355905 A1 20031029 EP 2001-273861 20011219

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JP 2004518743 T2 20040624 JP 2002-565976 20011219

JP 2004519479 T2 20040702 JP 2002-567928 20011219

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NZ 526473 A 20050624 NZ 2001-526473 20011219

NZ 526471 A 20050826 NZ 2001-526471 20011219

US 2003004164 A1 20030102 US 2001-34683 20011220

US 6656939 B2 20031202

US 2003022885 A1 20030130 US 2001-34019 20011220

US 6727251 B2 20040427

ZA 2003004468 A 20040624 ZA 2003-4468 20030609

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JP 2002-557938 A1 20011219

US 2001-26966 A1 20011219

WO 2001-US49139 W 20011219

WO 2001-US50312 W 20011219

WO 2001-US51031 W 20011219

US 2001-34019 A3 20011220

US 2001-34683 A1 20011220

PRIORITY APPL. INFO.:

GI

OTHER SOURCE(S):

MARPAT 137:169539

GI

L4 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STM (Continued)

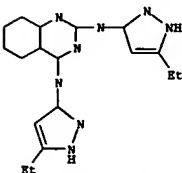
IT 438204-95-6P, (5-Ethyl-1H-pyrazol-3-yl)-[2-(5-ethyl-1H-pyrazol-3-ylamino)quinazolin-4-yl]amine

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(protein kinase inhibitor; preparation of (pyrimidinylamino)pyrazoles as protein kinase inhibitors for treatment of cancer, diabetes, and Alzheimer's disease)

RN 438204-95-6 HCAPLUS

CN 2,4-Quinoxalinediamine, N,N'-bis(5-ethyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)

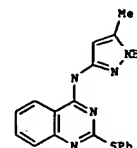
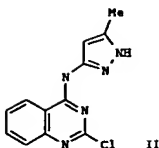
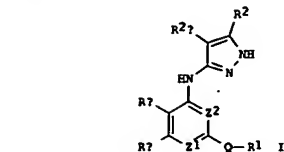


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

REFERENCE COUNT: 3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STM (Continued)



AB 285 Title compds. I [wherein Z1 = N or CR8; Z2 = N or CH; and at least 1 of Z1 and Z2 = N; R2 and R3 = independently TR3 or LZR3; or C2R2Ry = (un)substituted fused (hetero)cyclyl; Q = NR4, O, S, C(R6')2, 1,2-cyclo(propylbutyl)aminediyl, or 1,3-cyclobutanediyl; R1 = TD; D = (un)substituted mono- or bicyclic (hetero)aryl, heterocyclyl, or carbocyclyl; T = a bond or alkylidene chain (un)interrupted by O, S, NR4, CO, CONH, NHCO, SO2, SO2NH, NR5O2, CO2, OCO, OCONH, or NHCO2, with provisos: Z = alkylidene chain; L = O, S, SO, SO2, NR6SO2, SO2NR6, NR6, NR6CO, NR6CO2, NR6CONR6, NR6SO2NR6, NR6NR6, OCONR6, or W; R2 and R3a = independently R, TR6, or C2R2R2a = (un)substituted fused (hetero)cyclyl; R3 = R, halo, OR, COR, CO2R, CO(CR2)2, CO2R, NO2, CN, SOO-2R, N(R4)2, carbamoyl, sulfamoyl, OCOH, acylamino, hydrazino, ureido, etc.; R = independently H or (un)substituted aliphatic, (hetero)aryl, or heterocyclyl; R4 = independently R7, COR7, carboxy, CON(R7)2, or SO2R7; W = CO, CO2, CONR6, C(R6)2O, C(R6)2SOO-2, C(R6)2SO2NR6, C(R6)2NR6, C(R6)2NR6CO, C(R6)2NR6CO2, CR6:NR6, CR6:NO, C(R6)2NR6NR6, C(R6)2NR6SO2NR6, or C(R6)2NR6CONR6; R6, R6', R7 = independently H or aliphatic; or N(R6)2 or N(R7)2 = independently heterocyclyl or heteroaryl; or C(R6')2 = carbocyclyl; R8 = R, halo, OR, COR, CO2R, COCOR, NO2, CN, SOO-2R, N(R4)2, CON(R4)2, SO2(R4)2, OCOH, NR4CO2(aliphatic), NR4N(R4)2, C:NR4(R4)2, C:NR4, NR4CO(R4)2, NR4SO2N(R4)2, NR4SO2R, or OCON(R4)2] were prepared. However, the claims pertain only to 3-(2-amino-4-pyrimidinylamino)-1H-pyrazoles, i.e. Z1 = Z2 = N, and Q = NH. I are protein kinase inhibitors, especially of Aurora-2 and GSK-3. For example, the (pyrazolylamino)quinazoline II was refluxed with thiophenol in t-BuOH to give III. In bioassays, I inhibited the following kinases with KI values reported < 20 μM: GSK-3β (232 compds.), AURORA-2 (227 compds.), CDK-2 (13 compds.), ERK2 (8 compds.), AKT (10 compds.), and Human Src kinase (183 compds.). I

L4 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STM

ACCESSION NUMBER:

2002:575069 HCAPLUS

DOCUMENT NUMBER:

137:109292

TITLE:

Preparation of 3-(4-pyrimidinylamino)-1H-pyrazoles as protein kinase inhibitors, especially of Aurora-2 and GSK-3, for treatment of cancer, diabetes, and Alzheimer's disease

INVENTOR(S):

Babington, David; Charrier, Jean-Damien; Davies, Robert; Golec, Julian; Kay, David; Knechtel, Ronald; Patel, Sanjay

PATENT ASSIGNEE(S):

Vertex Pharmaceuticals Incorporated, USA

SOURCE:

PCT Int. Appl., 337 pp.

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

14

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059111	A2	20020801	WO 2001-US51120	20011219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PA, PG, PH, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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CA 2432131	AA	20020801	CA 2001-2432131	20011219
CA 2432303	AA	20020829	CA 2001-2432303	20011219
WO 2002066461	A1	20020829	WO 2001-US49139	20011219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PA, PG, PH, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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WO 2002068415	A1	20020906	WO 2001-US50312	20011219
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US 2003004161	A1	20030102	US 2001-26975	20011219
US 6653300	B2	20031125		
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L4 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

EP 1345922 A1 20030924 EP 2001-271061 20011219

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EP 1345926 A2 20030924 EP 2001-993360 20011219

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BR 2001016493 A 20030930 BR 2001-16493 20011219

EP 1355905 A1 20031029 EP 2001-273861 20011219

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NZ 526472 A 20040430 NZ 2001-526472 20011219

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JP 2004518743 T2 20040624 JP 2002-565976 20011219

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PRIORITY APPL. INFO.:

US 2000-257887P P 20001221

US 2001-286949P P 20010427

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US 2001-952671 A3 20010914

US 2001-955601 A3 20010914

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US 2001-269656 A1 20011219

WO 2001-US49139 W 20011219

WO 2001-US50312 W 20011219

WO 2001-US51120 W 20011219

US 2001-34019 A3 20011220

US 2001-34683 A1 20011220

OTHER SOURCE(S): MARPAT 137:109292

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L4 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

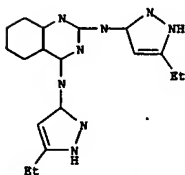
IT 438204-95-69

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOI (Biological study); PREP (Preparation); USES (Uses)

(protein kinase inhibitor; preparation of (pyrimidinylamino)pyrazoles as protein kinase inhibitors for treatment of cancer, diabetes, and Alzheimer's disease)

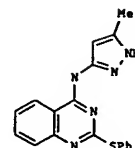
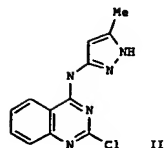
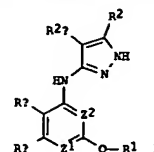
RN 438204-95-6 HCAPLUS

CN 2,4-Quinoxalinediamine, N,N'-bis(5-ethyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L4 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



AB Title compds. I [wherein Z1 = N or CR5; Z2 = N or CH; and at least 1 of Z1 and Z2 = N; R₁ and R₂ = independently TR3 or LZR3; or C2R₁R₂ = (un)substituted fused (hetero)cyclyl; Q = NR₄, O, S, C(6a)2, 1,2-cyclo(propyl)butyl, or 1,3-cyclobutanediyl; R₁ = TR; D = (un)substituted mono- or bicyclic (hetero)aryl, heterocyclyl, or carbocyclyl; T = a bond or alkylidene chain (un)interrupted by O, S, NR₄, CO, CONH, NHCO, SO₂, SO₂NEH, NHCO₂, CO₂, OCO, OCONH, or NHCO₂, with provisos; Z = alkylidene chain; L = O, S, SO, SO₂, NR₆SO₂, SO₂NR₆, NR₆CO₂, NR₆CO₂, NR₆CONR₆, NR₆SO₂NR₆, NR₆NR₆, OCONR₆, or W; R₂ and R_{2a} = independently R, TR₆, or C2R₁R_{2a} = (un)substituted fused (hetero)cyclyl; R₃ = R, halo, OR, COR, CO₂R, CO(CHE)O-1COR, MO₂, CN, SOO-2R, N(R₄)₂, carbamoyl, sulfonyl, OCO₂, acylamino, hydrazino, ureido, etc.; R = independently H or (un)substituted aliphatic, (hetero)aryl, or heterocyclyl; R₄ = independently R₇, COR₇, carboxy, CON(R₇)₂, or SO₂R₇; W = CO, CO₂, CONR₆, C(R₆)₂O, C(R₆)₂SOO-2, C(R₆)₂SO₂NR₆, C(R₆)₂NR₆, C(R₆)₂NR₆CO₂, C(R₆)₂NR₆CO₂, CR₆:NR₆, CR₆:NO, C(R₆)₂NR₆NR₆, C(R₆)₂NR₆SO₂NR₆, or C(R₆)₂NR₆CONR₆; R₆, R_{6a}, R₇ = independently H or aliphatic; or N(R₆)₂ or N(R₇)₂ = independently heterocyclyl or heteroaryl; or C(R_{6a})₂ = carbocyclyl; R = R, halo, OR, COR, CO₂R, CO₂OR, MO₂, CN, SOO-2R, N(R₄)₂, CON(R₄)₂, SO₂(R₄)₂, OCO₂R, NR₄CO₂(aliphatic), NR₄N(R₄)₂, C:NR₄(R₄)₂, C:NR₄(R₄)₂, NR₄SO₂R, or OCON(R₄)₂ are protein kinase inhibitors, especially of Aurora-2 and GSK-3. For example, the [pyrazolylamino]quinazoline II was refluxed with thiophenol in t-BuOH to give III. In bioassays, I inhibited the following kinases with KI values reported < 20 μM: GSK-3β (232 compds.), AURORA-2 (227 compds.), CDK-2 (13 compds.), ERK2 (8 compds.), AKT (10 compds.), and Human Src kinase (183 compds.). I are useful for the treatment of diseases associated with protein kinases, such as diabetes, cancer, and Alzheimer's disease (no data).

L4 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:555487 HCAPLUS

DOCUMENT NUMBER: 137:125169

TITLE: Preparation of 3-(4-pyrimidinylamino)-1H-pyrazoles as protein kinase inhibitors, especially of Aurora-2 and GSK-3

INVENTOR(S): Babington, David; Charrier, Jean-Damien; Golec, Julian; Miller, Andrew; Knagel, Ronald

PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA

SOURCE: PCT Int. Appl., 333 pp.

CODEN: PIXX02

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 14

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002057259	A2	20020725	WO 2001-US49401	20011219
WO 2002057259	A3	20030424		
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WO 2002068415	A1	20020906	WO 2001-US50312	20011219
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US 6653300	B2	20031125		
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L4 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

EP 1345922 A1 20030924 EP 2001-271061 20011219
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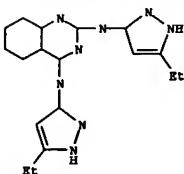
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US 2000-232795P F 20000915
US 2001-952671 A3 20010914
US 2001-955601 A3 20010914
JP 2002-557938 A3 20011219
US 2001-26966 A1 20011219
WO 2001-0549139 W 20011219
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PRIORITY APPL. INFO.:

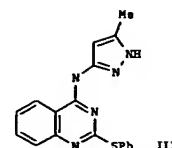
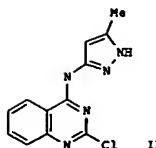
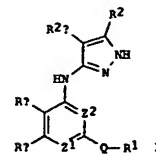
OTHER SOURCE(S): MARPAT 137:125169
GI

L4 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L4 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



AB The title compds. I [Z1 = N, CR8; Z2 = N, CH; and at least one of Z1 and Z2 = N; Rb, Rc = TR3, LZB3; C2RbRc = (un)substituted fused (hetero)cyclo; Q = NR4, O, S, etc.; R1 = TD; D = (un)substituted mono- or bicyclic (hetero)aryl, heterocyclyl, carbocyclyl; T = a bond, alkylidene (un)interrupted by O, S, NR4, CO, etc.; Z = alkylidene; L = O, S, SO, SO2, etc.; R2, R2a = R, TWR6, or C2R2R2a = (un)substituted fused (hetero)cyclo; R3 = R, halo, OR, etc.; R = H, (un)substituted aliphatic, (hetero)aryl, heterocyclyl; R4 = R7, COR7, SO2R7, etc.; V = CO, CO2, CONR6, etc.; R6, R7 = H, alkyl; or N(R6)2 or N(R7)2 = heterocyclyl, heteroaryl] were prepared. For example, the (pyrazolylamino)quinazoline II was refluxed with thiophenol in tert-BuOH to give III. In bioassays, I inhibited the following kinases with KI values reported < 20 μM: GSK-3β (232 compds.), AURORA-2 (227 compds.), CDK-2 (13 compds.), ERK2 (8 compds.), AKT (10 compds.), and Human Src kinase (183 compds.). I are useful for the treatment of diseases associated with protein kinases, such as diabetes, cancer, and Alzheimer's disease (no data).

IT RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(protein kinase inhibitors; preparation of (pyrimidinylamino)pyrazoles as protein kinase inhibitors for treatment of cancer, diabetes, and Alzheimer's disease)
RN 438204-95-6 HCAPLUS
CN 2,4-Quinoxalinediamine, N,N'-bis(5-ethyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2002:487557 HCAPLUS
DOCUMENT NUMBER: 137:57588
TITLE: Pyrazole compounds useful as protein kinase inhibitors, and therapeutic use thereof
INVENTOR(S): Golec, Julian; Pierard, Françoise; Charrier, Jean-Damien; Bebbington, David
PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA
SOURCE: PCT Int. Appl., 87 pp.
CODEN: PIKX22
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 14
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050066	A2	20020627	WO 2001-0549585	20011220
WO 2002050066	A3	20030220		
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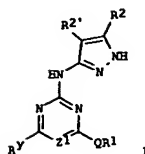
L4 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
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 US 2001-34019 A3 20011220
 US 2001-34683 A1 20011220
 WO 2001-0549585 W 20011220

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):
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MARPAT 137:57588

L4 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

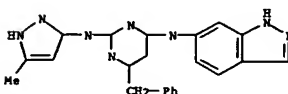


AB The invention describes pyrazole compds. I (Z1 = N, CR8; Q = O, S, etc.;
 R1 = T-Ring D; T = valence bond, alkylidene chain; Ring D = 5-7-membered
 monocyclic ring, 8-10-membered bicyclic ring; R2, R2' = H, (un)substituted
 C1-6 aliphatic, (un)substituted C6-10 aryl, etc.; R3 = (un)substituted C1-6
 aliphatic, (un)substituted C6-10 aryl, etc.; R8 = halo, NO2, CN, etc.). The
 compds. are useful as protein kinase inhibitors, especially as inhibitors of
 Aurora-2 and GSK-3, for treating diseases such as cancer, diabetes, and
 Alzheimer's disease.

IT 439076-30-9 439076-31-0 439076-36-5
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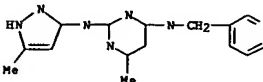
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (pyrazole compds. as protein kinase inhibitors, and therapeutic use)

RN 439076-30-9 HCAPLUS
 CN 2,4-Pyrimidinediamine, N4-1H-indazol-5-yl-N2-(5-methyl-1H-pyrazol-3-yl)-6-
 (phenylmethyl)- (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

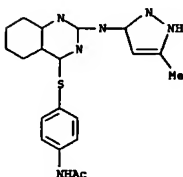
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L4 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

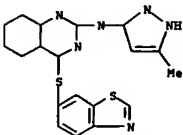
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CN Acetamide, N-4-[(2-[(5-methyl-1H-pyrazol-3-yl)amino]-4-
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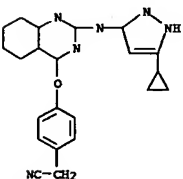
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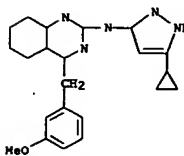
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 quinazolinyl)oxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

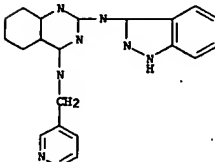
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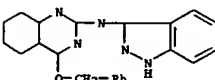
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 (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 439076-41-2 HCAPLUS
 CN 2-Quinazolinamine, N-1H-indazol-3-yl-4-(phenylmethoxy)- (9CI) (CA INDEX
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ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

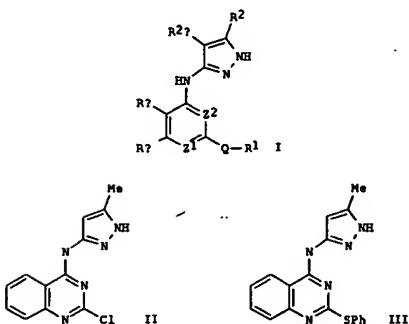
L4 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:487556 HCAPLUS
 DOCUMENT NUMBER: 137:47221
 TITLE: Preparation of 3-(4-pyrimidinylamino)-1H-pyrazoles as protein kinase inhibitors, especially of Aurora-2 and GSK-3 for treatment of cancer, diabetes, and Alzheimer's disease
 INVENTOR(S): Bebbington, David; Charrier, Jean-Damien; Davies, Robert; Everitt, Simon; Kay, David; Knegetel, Ronald; Patel, Sanjay
 PATENT ASSIGNER(S): Vertex Pharmaceuticals Incorporated, USA
 SOURCE: PCT Int. Appl., 342 pp.
 CODEM: PIXKD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 14
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050065	A2	20020627	WO 2001-0549140	20011219
WO 2002050065	A3	20021024		
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CA 2432303	AA	20020829	CA 2001-2432303	20011219
WO 2002066461	A1	20020829	WO 2001-0549139	20011219
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US 2003004161	A1	20030102	US 2001-26975	20011219
US 6653300	B2	20031125	US 2001-26975	20011219

L4 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)				
US 2003036543	A1	20030220	US 2001-25164	20011219
US 6664247	B2	20031216		
US 2003055068	A1	20030320	US 2001-26967	20011219
US 2003078275	A1	20030424	US 2001-27001	20011219
US 6653301	B2	20031125		
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JP 2004519479	T2	20040702	JP 2002-567928	20011219
US 2004214814	A1	20041028	US 2001-26992	20011219
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US 6656939	B2	20031202		
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NO 2003002704	A	20030821	NO 2003-2704	20030613
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			US 2000-257887P	P 20001221
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			US 2000-232795P	P 20000915
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OTHER SOURCE(S): MARPAT 137:47221

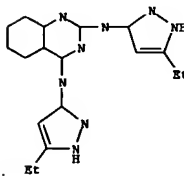
L4 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 GI



AB Title compds. I [wherein Z1 = N or CR8; Z2 = N or CH; and at least 1 of Z1 and Z2 = N; R₂ and R₃ = independently TR3 or LXR3; or C2R₂R₃ = (un)substituted fused (hetero)cyclic; Q = NR₄, O, S, C(6a)2, 1,2-cyclo(prop/but)anediyl, or 1,3-cyclobutanediyl; R1 = TD; D = (un)substituted mono- or bicyclic (hetero)aryl, heterocyclyl, or carbocyclyl; T = a bond or alkylidene chain (un)interrupted by O, S, NR₄, CO, CONR, NHCO, SO₂, SO₂NR₆, NHCO₂, CO₂, OCO, OCONR, or NHCO₂, with proviso: Z = alkylidene chain; L = O, S, SO₂, NR₆SO₂, SO₂NR₆, NR₆CO₂, NR₆CO₂, NR₆CONR₆, NR₆SO₂NR₆, NR₆NR₆, OCONR₆, or V; R₂ and R₃ = independently R, TWR₆, or C2R₂R₂ = (un)substituted fused (hetero)cyclic; R3 = R, halo, OR, COR, CO₂R, CO(CH₂)O-COR, NO₂, CN, SO₂-2R, N(R₄)2, carbamoyl, sulfamoyl, OCONR, acylamino, hydrazino, uraido, etc.; R = independently H or (un)substituted aliphatic, (hetero)aryl, or heterocyclyl; R4 = independently R7, COR7, carboxy, CON(R7)2, or SO₂R7; W = CO, CO₂, CONR₆, C(R₆)2O, C(R₆)2SO₂, C(R₆)2SO₂NR₆, C(R₆)2NR₆, C(R₆)2NR₆CO₂, C(R₆)2NR₆CO₂, C(R₆)2NR₆CO₂, C(R₆)2NR₆CO₂NR₆, or C(R₆)2NR₆CONR₆; R₆, R₆a, R₇ = independently H or aliphatic; or N(R₆)2 or N(R7)2 = independently heterocyclyl or heteroaryl; or C(R₆)2 = carbocyclic; R₈ = R, halo, OR, COR, CO₂R, COCONR, NO₂, CN, SO₂-2R, N(R₄)2, CON(R₄)2, SO₂(R₄)2, OCONR, NR₄CONR, NR₄CO₂(aliphatic), NR₄N(R₄)2, C:NN(R₄)2, C:NR, NR₄CO(R₄)2, NR₄SO₂(R₄)2, NR₄SO₂R, or OCON(R₄)2] were prepared I are protein kinase inhibitors, especially of Aurora-2 and GSK-3. For example, the (pyrazolylamino)quinazoline II was refluxed with thiophenol in t-BuOH to give III. In bioassays, I inhibited the following kinases with KI values reported < 20 μM: GSK-3β (232 compds.), AURORA-2 (227 compds.), CDK-2 (13 compds.), ERK2 (8 compds.), AKT (10 compds.), and Human Src kinase (183 compds.). I are useful for the treatment of diseases associated with protein kinases, such as diabetes, cancer, and Alzheimer's disease

L4 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 IT

(no data).
 438204-95-6P, (5-Ethyl-1H-pyrazol-3-yl)[2-(5-ethyl-1H-pyrazol-3-ylamino)quinazolin-4-yl]amine
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (protein kinase inhibitors; preparation of (pyrimidinylamino)pyrazoles as protein kinase inhibitors for treatment of cancer, diabetes, and Alzheimer's disease)
 RN 438204-95-6 HCAPLUS
 CN 2,4-Quinazolidinediamine, N,N'-bis-(5-ethyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE